AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph 0024 with the following amended paragraph.

[0024] In step 404, if the initial address message indicates that the call does not involve a line terminated at the remote switch module 102, the process returns to step 402 and proceeds as previously described. If a match is found in step 404, the process proceeds to step 406 where the monitoring system 100 collects the originating point code (each office has a point code associated with it), circuit identification code (each trunk has a circuit identification code associated with it), and calling number data (including area code and three digit prefix). From step 406 the process proceeds to step 408 where the monitor increments a counter related to the point code, thereby keeping track of the number of calls to the related point code. From step 408 the process proceeds to step 410 where a counter related to the called number is incremented. From step 410 the process proceeds to step 412 where the circuit identification code is added to a list of active circuit identification codes. The process then proceeds to step 414 where the monitor awaits an SS7 release message for the call of interest. During the waiting period a counter is incremented at regular intervals, each second, for example, to keep track of the number of active calls during that time slot, thereby providing a circuit identification code-second, tabulation for the interval. Data for each interval, and cumulative data (total usage-seconds) is maintained by the monitoring system. This waiting period of step 414 ~~may be~~ may use interrupt-driven, or polling techniques, ~~and~~ in this illustrative embodiment.